

PTO/SB/21 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

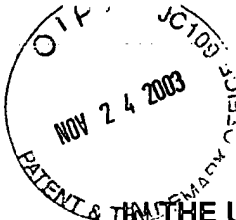
<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/616,557	
	Filing Date	July 9, 2003	
	First Named Inventor	John P. Castagna et al.	
	Art Unit	N/A; Confirmation No. 2801	
	Examiner Name	N/A	
Total Number of Pages in This Submission	4	Attorney Docket Number	GTI-1539

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Postcard; five (5) references enclosed
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	The commissioner is hereby authorized to charge any additional fees or credit any overpayments to Deposit Account No. 13-0010 (GTI-1539)	
<b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>		
Firm or Individual name	Kaushik P. Sriram, Reg. No. 43,150	
Signature		
Date	November 20, 2003	

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
Typed or printed name	Beth Pearson-Naul	
Signature		Date
		November 20, 2003

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: John P. Castagna et al.

SERIAL NO.: 10/616,557

FILED: July 9, 2003

TITLE: "Determination of Fluid Properties  
of Earth Formations Using  
Stochastic Inversion"

§  
§  
§  
§  
§  
§  
§  
§

Group Art Unit: N/A

Examiner: Not Assigned

Confirmation No.: 2801

Atty Docket No.: GTI-1539

MAIL STOP: DD  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the references listed on the attached Form PTO-1449 be considered by the Examiner and made of record.

This Information Disclosure Statement is not to be considered as a representation that a search has been made or that no other material information as defined under 37 C.F.R. § 1.56(a) exists. The information disclosure statement submitted herewith is being filed before the mailing date of the first office action for this application.

The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 13-0010 (GTI-1539).

Respectfully submitted,

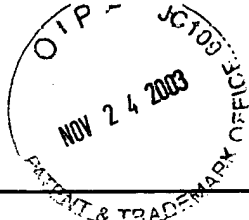
Dated: November 20, 2003

Kaushik P. Sriram  
Registration No. 43,150  
Madan, Mossman & Sriram, P.C.  
2603 Augusta, Suite 700  
Houston, Texas 77057  
Telephone: (713) 266-1130  
Facsimile: (713) 266-8510

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this paper, along with any referred to as being attached or enclosed, is being forwarded to MAIL STOP: DD, Commissioner for Patents, P. O. Box 1450, Alexandria, Virginia 22313-1450, via the United States Postal Service, First Class Mail, prepaid on the 20th day of November, 2003.

By:   
Beth Pearson-Naul



<b>INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO. GTI-1539	SERIAL NO. 10/616,557
	APPLICANT John P. Castagna et al.	
	FILING DATE July 9, 2003	GROUP / CONFIRMATION N/A / 2801

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,817,060	03/28/89	Smith	367	52	05/26/87
	AB	4,858,200	08/15/89	Goins	367	75	09/21/87
	AC	4,858,201	08/15/89	Goins et al.	367	75	09/21/87
	AD	4,995,007	02/19/91	Corcoran et al.	367	52	12/21/89
	AE	5,001,677	03/19/91	Masters	367	68	10/16/89
	AF	5,440,525	08/08/95	Dey-Sarkar et al.	367	52	10/25/93
	AG	5,583,825	12/10/96	Carrazzone et al.	367	31	09/02/94

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO	
	AH							
	AI							
	AJ							

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

	AK	Gary Mavko et al.; <i>A rock physics strategy for quantifying uncertainty in common hydrocarbon indicators</i> , Geophysics, Vol. 63, No. 6, (November-December 1998), pp. 1997-2008, 13 Figs.
	AL	Amos Nur et al.; <i>Critical porosity: A key to relating physical properties to porosity in rocks</i> , The Leading Edge, March 1998, pp. 357-362, 14 Figs.
	AM	Luther White et al.; <i>Stochastic fluid modulus inversion</i> , Geophysics, Vol. 67, No. 6 (November-December 2002), pp. 1835-1843, 9 Figs., 3 Tables.

EXAMINER	DATE CONSIDERED
----------	-----------------

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant



<b>INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO. GTI-1539	SERIAL NO. 10/616,557
	APPLICANT John P. Castagna et al.	
	FILING DATE July 9, 2003	GROUP / CONFIRMATION N/A / 2801

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA	6,302,221	10/16/01	Hamman et al.	175	50	05/31/00
	BB						
	BC						
	BD						
	BE						
	BF						
	BG						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO	
	BH							
	BI							
	BJ							

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

	BK	W. W. Symes et al.; <i>Velocity inversion by differential semblance optimization</i> , Geophysics, Vol. 56, No. 5 (May 1991), pp. 654-663, 5 Figs.
	BL	W. J. Ostrander; <i>Plane-wave reflection coefficients for gas sands at nonnormal angles of incidence</i> , Geophysics, Vol. 49, No. 10 (October 1984), pp. 1673-1648, 20 Figs., 1 Table.
	BM	

EXAMINER	DATE CONSIDERED
----------	-----------------

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant